Index: Volume XXXII, January – December 1975

Makeup of Volume XXXII

Month	*Pages*
January	1-44
February	45-88
March	89-132
April	133-176
May	177-220
June	221-262
July	263-304
August	305-346
September	347-388
October	389-430
November	431-472
December	473-514

General subject headings

Accident reports
Advanced Passenger Train
Airlines
Appointments†
British Rail
Channel Tunnel
Containers
Countries*
Diary of events†
Editorials
Electrification
Electronics
Europe
High Speed Train
Home news†
International
Light Railways
London Transport
Motive power
National
National Railway Museum
New books†
Overseas news†
Passenger Transport Executives*
Permanent way
Rail 150
Railtalk†
Railway industry †
Rapid transit/ Rapid transit reports†
Readers' letters†
Regions (BR)*
Rolling stock
Sealink
Seaspeed
Shipping
Signalling
Stock changes†
Traffic report†
Trans Europ Express

** see under respective country, names etc*

† page numbers only: individual topics not shown in detail under this heading

Page numbers in parentheses denote photo-features or news photographs unrelated to paragraphs

A

ABC Rail Guide 92
Accident reports:
Berkhamsted, LMR/Derailment at 168
Chester, LMR/Derailment and fire at 168
Copyhold Junction, SR/Collision at 82
Dingwall, ScR/Collision at 34
Glasgow Central, ScR/Collision at 251
Lower Darwen, LMR/Derailment at 178, 214
Pollokshields East, ScR/Collision at 251
West Ealing, WR/Derailment at 169
Whitehaven, LMR/Collision at 251
Advanced Passenger Train:
air-conditioning 256
Carbon brakes for high speeds 214
Cost of APT 215
Electric APT equipments 38
Experimental body-tilting system (5)
Heat exchangers 508
high-speed trials (350)
Higher speeds 82, 125
Inter-City progress will not stop/Why 106
Jam tomorrow 389
London-Leicester at 100 mph 476
on test 49
Passenger business planning 488
test programme/APT completes very-high-speed 391
trailer car undergoing strength and stiffness tests (138)
Airlines:
Brymon Airways Plymouth – Paris air/rail service 96
Clipped wings 46
London airports traffic growth halted 92
Rail/air service Britain – Germany 183
Shuttle factor/The 90
Albania:
Railway developments 302
Algeria:
Traffic to double in four years 8
AP Electronics Ltd: merger extends capabilities 128
Appointments: 6, 51, 94, 139, 182, 225, 268, 310, 352, 393, 436, 478
Argentina:
Ultrasonic pw inspection 341
Australia:
Alice Springs/Standard-gauge link for 140
BRB member in trouble/Former 268
Brisbane/North-south link in 395
car-carriers/New 8
Eneabba Basin & Meru line under construction/New 96
Goddards Creek/New permanent timber bridge after flooding at (269)
Iron-ore unloading equipment 171
Melbourne/Rail usage up in 52
Melbourne transport face-lift 183
Melbourne Underground Loop costs rise 52
Mt Newman Mining Co Rly generating plant for signalling power supplies 296
Perth/Longest train to enter (53)
Queensland mineral lines 183
Solar power for signalling 340
transcontinental trains/More 353
Victorian Railways Class S loco heading Melbourne – Adelaide train (339)
Victorian Railways computers 341
Victorian Railways/Decline in rail-use halted on 140
WAGR/New locomotives for 96
Austria:
assortment/Austrian (428)
Brenner base tunnel/UIC group recommends 51
couchette services/More 96
tankers/Piggyback service for 183
Timetable changes 140
Vienna stations renamed 141

B

Bangladesh:
Chittagong Port – Dacca mine line to be upgraded 141
Battery traction/Fresh hopes for 475
Belgium:
Annual report 1974 353
Antwerp platforms lengthened 227
Antwerp/Pre-metro in 227
Brussels Metro open next summer 436
Brussels Metro prototype coach delivered 8
Brussels/Track improvements in 395
Northeast-Southwest route/ Improving the 291, 380
Nuneaton/Preventing another 306, 416
On-train public address systems 417
outlook/The 299
Passenger business planning of Inter-City services 440, 488
Passenger grant for 1975 48
passenger services/Inequalities in 171
Passenger's view 417
Pay and prices 221
pay settlement/Possible aftermath of 305
pension fund scheme/New 49
prices and staffing levels 221, 338
private cement wagons/New 476
public timetable – 'Where's that sellotape?' 47
publicity drive/BR launches 308
punctuality – 1974 186
quiet revolution/A (tribute to Sir Sidney Greene) 46
Rail Freight Facilities Grant 135
Rail Freight Facilities Grant/First 392
rail links/Plans for new 137
Rail safety in hindsight 47
Railcard offers half-fare travel to pensioners 137
railway posters reprinted/Famous 266
Region identification labels 508
Regional Boards set up 48
Regions explore economies 350
regions getting a raw deal?/ Are the 460
Road/rail co-operation 92
Road to rail freight transfer brings local benefits 350
seat covers/Fabric for 472
Signalling equipment supplied by GEC 214
Sleeper speculation 35
Social contract 133
spending/Increase in 137
sprinkling of snow/A (10)
Staff suggestions win £10 000 266
Standby diesel generators for signalling stations 380, 465
Stations are public places 36
stations – 'Out of sight, out of mind' 390
steam on British Rail/The end of 359, 406, 446, 464
Supermarket orders by rail 351
Territory reorganisation aborted 90
Test Coach *Iris*: mobile laboratory (136), 211
Time bomb – failure to reach financial objectives 474
timetables 1975/76 98, 148, 197, 234
TOPS computer centre/New (477)
TOPS fully operational – 'On line' 473
Track-fastening components 128
track machines/Separating water from diesel fuel in 128
Traction policy 125
train names dropped/Some 49, 91
Trains and ships 264
Transport Expo 75 appearance – 'Entente cordiale' 265
underbridge inspection unit/New 254
visitor looks at BR/A 339
wagon covers/Contract for 341
Wales by road and rail 476
Water purifier safeguard 170
Weekend travel 349, 465
Wheelchair travel for the disabled 180
workforce cuts – 'Blunt instrument?' 222, 338
British Rail Engineering:
containers/Order for 50
Derby/Publicity dept moves to 224
Diesel-electric power cars for NIR 6, 7, 396
Shildon/Cranes for 256
wagons for Ghana 7, 129
British Rail Research Development Division:
Maglev research aided by linear-motor test facility 434
British Standards Institute:
BS 1376 – colours for light signals revised 85
BS 2618 – traction standards revised 296
BS 4521 – turnouts for private users 128, 341
British Steel Corporation:
Diesel-electric locomotives 127
Llanwern steelworks/Bogie wagon for moving scrap at (224)
Redcar sidings signalling contract 341
Scunthorpe steelworks/Wagons for 508
test weight rail wagon/Self-propelled 341
British Transport Advertising:
advertising contract/New 309
British Transport Films:
Locomotion wins prize/Anniversary film 352
Class 20 Co-Co electrics/New 353
emus in service on inter-provincial route/First of 437
Frontier station plan dropped 140
Heavy duty 3000V dc electric loco delivered (480)
livery for emus/New 226
Louvain-la-Neuve branch for students/New 353
BICC Ltd: name becomes official 472
Brazil:
iron ore railway/New 141
British Army:
railways of the British Army of the Rhine/The 160
British Rail:
aggregates/New technique for high-speed discharge of 435
All-system timetable II 208, 299
Annual report 1974 348, 377
asphalt-based track: Research into 167
Axle power – new method of induction motor traction 475
battery traction/Fresh hopes for 475
Battle of Britain Class loco. *No 25 Squadron* 465
BBC tv *Money Programme* – 'An evening of British rubbish' 265
Boxing Day/No trains on 476
bridges/Repairing old 340
British railway safety in 1973 81
Brushes for traction motors 38
child travel during Easter holidays: Cheap 137
Class 87 thyristor control locomotive on test 39
Class 87 thyristor-controlled loco for BR/ A (308), 356
Coaching stock allocations 36, 126, 172, 216, 488
Communications on the move 81
Confused images 420, 505
Consumers' casebook 156, 249
Container service cuts 49
Containers for SCIDS 171
Cross-country revival 83
Cross-country services 35
Cut-back 432
Cut-backs – 'Naught for your comfort' 431
Deltic headlights 249, 381
Design – 'A touch of *deja vu*' 433
Diesel engine orders 170
disabled/Concessionary fare for 350
disabled/Railway guide for 180
DoE bus-rail interchange project 4
electrification programme/10-year 434
Electrification – 'Round the mulberry bush' 177
Fare prospect 45
fares compared with European systems 258
fares free/Rail travel should be 262, 338, 416
fares increases 223, 391
Fares policy 339, 417
Flyovers 36
Freight lashings study 296
freight/The missing 250, 339
Freight thoughts 90
future in doubt as recession hits revenue 434
Golden Rail centres/More 4
Green for danger 178
Higher speeds 82, 125, 215
higher speeds/Towards 207
history?/Time to dispense with 385
Inter-City duo 273
Inter-City image 380
Inter-City look/Tomorrow's (307)
Inter-City progress will not stop/Why 106
investment priorities 36, 172
Irresponsible railfans 250
Level-crossing TV monitors 38
London Rail Study/The 77, 172
London/Railways in 2
Manchester – Glasgow services 34, 173, 249
measures needed/Harsh 308
Midsummer madness 263
Misconceptions? 500
Mk III coach at Transport Expo 75 143
Mk III coaches in production at Derby 108
Mk III coaches – variations on a theme 265
Mk III sleepers next year 308
Mk III stock in service 276
Modernisation's impact on workers 392
motorail bookings/Heavy 223
Motorail services 173
Motorail space in 1975/More 48

C

Canada:
Canada – US freight service/Fast 310
Canada – US reservation link 395
CN prototype LRC in service 227
CN's TRACS information system in operation 436
CP passenger cars refurbished 227
CP Rail freight revenue increases 96
CP Rail/New diesels for 183
CP Tra-K-art – telecommunication lineman's vehicle (9)
Futura train/GM designs 310
Government lifts taxes on rolling stock 183
Government of Ontario Lakeshore line/ New coaches for 395
passenger initiative/New 52
Spadina Line substation rectifier orders 296
Toronto/No maglev for 52
Toronto Zoo/'People movers' at 227
Transcontinental train cuts? 436
Channel Tunnel:
Cancellation 89
continental viewpoint/A 135
EEC to help pay? 6
financial aid discussed by European Parliament 140
Gloom at the end of the Tunnel 1
project abandoned 92
rail link/No high speed 9
Railway-minded report 426
report published 350
Chartered Institute of Transport:
Nottingham Congress 137

Political process – transport professionals and policy making 474
travelling scholarship 180
Chile:
iron-ore railway/New 183
China:
Strategic links completed 8
Coal in oil-fired furnaces 85
Consultants in International Distribution Planning: New chief executive 266
Containers:
Basle/Container terminal at 43
BREL receives order from Bell Lines 50
'Containerization 74' success 7
DSB container traffic grows 268
Freight thoughts 90
Freightliner service cuts on BR 49
Holyhead handles containers following agreement 139
Intercontainer progress slows 394
Kyle line/on the 393
SCIDS manufactured 171
Trans-Siberian container route/ Freight refunds on 140
Czechoslovakia:
Class 55E dual-voltage locomotive New 227
Warsaw – Budapest train rerouted 226

D

Denmark:
Conference service extended 183
Container traffic grows 268
DSB London office closed 437
electrification?/Main-line 311
Hareskov line/Electric units for 268
Mz class locomotive in 160km/h line tests 354
S-Tog units in new formation 311
Suburban line extensions planned 141
Diary of events: 44, 87, 131, 175, 219, 259, 297, 384, 425, 468, 511
Diesel & Electric Group:
Diesel preservation appeal 299

E

East Africa:
Rail welding order from EAR 171, 296
Eastern Region:
Basildon station opened 4
Bounds Green carriage depot 181
Braintree branch to be electrified 5, 223
Cavalcade souvenir a best-seller 476
Doncaster resignalling scheme 266
Doncaster resignalling scheme/ Train describers for 434
East Coast improvements 92
East Coast line services improved 181
economies explored 350
Esk Valley boom 267
Great Northern electrification extended to fast lines 392
Great Northern suburban changes 351
GN suburban trains/ Metalastik axlebox suspension for 256
Humberail schools' project 181
Ilkley line/station improvements on 137
Leeds – Bradford trains/More 92
Level-crossing closures announced 266
Liverpool St – an alternative approach 502
Liverpool St reconstruction 465
Liverpool St/Redevelopment at 335
Liverpool St station listed 392
Master Cutler identity improved 224
Neville Hill revival 351
Newcastle carriage depot 92
Northumberland/By rail in 398, 505
Norwich?/Electrics to 223
Norwich station redevelopment 137
Ore traffic inaugurated 180
Parkeston Quay station expands 137
Pelham Street Crossing – Lincolnshire cross-roads (507)
Peterborough – Spalding link?/ Six month's grace for 92
Peterborough – Spalding link/ Threat to the 47
Refurbished dmu in service 92
Selby coalfield prospects 223
Sheffield/Travel centre opens at 92
Stations reopened 223
Suburban timetable alterations postponed 4
timetable 1975/76 148
Transducers for traction control on GN line 170
TV information display unit 49
Tyne Valley/More trains for 181
unknown region/The – services in the Northeast 12, 125, 172, 216, 311
Editorial:
Aftermath (BR pay settlement) 305
Begone, dull care! (Rail 150) 347
Fare prospect 45
Gloom at the end of the Tunnel 1
In sorrow and in anger (Chunnel cancellation) 89
Jam tomorrow (BR APT) 389
Midsummer madness (Proposed national rail stoppage) 263
Naught for your comfort (BR cut-backs) 431
On line (BR TOPS) 473
Pay and prices 221
Round the mulberry bush (electrification policy) 177
Social contract 133
Egypt:
Air-conditioning order placed with Stone-Platt 255
Vehicle alternator orders obtained by Stone-Platt 85
Electrification:
Finland 227
France 354
Germany (Federal Republic) 52, 354, 469
Great Britain 223, 392, 434, 481
Irish Republic 227
Italy 184
Paraguay 142
Portugal 202
South Africa 340
Taiwan 43, 185, 255
USA 341
USSR 53
Electrification for environmentalists 320, 370, 464, 504
Electronics:
Armature coil construction 39
Automatic freight-train surveillance 411
braking stress research/High-speed 296
Brushless alternator development 84
Camshaft and associated electronic control circuits undergoing trials 508
Chopper equipments 341
Computer-based interlocking 171
Computer-based train describer 255
Computer seat reservation system 43
Connector technology 212
Cooling high-power semiconductor rectifiers 85
Data communications 212
Electric storage systems 340
Information display 38
internal rail force/A non-destructive method of measuring 123
Level-crossing TV monitors 38
Low-voltage cold-cathode signs 170
microprocessors/Keeping abreast with 129
Microwave cooking 85
Multiplex remote-control link 39
Radio vehicle identification 296
Solar power for signalling 340
Static inverter for railway air-conditioning 212
Supervisory system 472
Track-train radio communications 354
Tunnel guidance system 340
TV information display unit 49
TV monitor signals by cable 255
TV transmission by leaky feeders 340
Uhf radio link used to control signalling 84
Energy for traction 209
Europe:
Anglo-Italian road/rail traffic increases 226
Baltic/New rail ferry in 95
Basle-Moscow *Wagon Lits* 268
Berlin-Moscow changes 51
Britain-Germany by rail-air 183
Brussels-Geneva aerotrain link? 436
car-sleeper service/New DER 51
Cuneo-Ventimiglia delay 140
DB polycurrent locomotive on test in Netherlands 395
EEC loan for new mine nr Coalville, Leicestershire 266
EEC road haulage permits/More 51
EEC to help pay for Channel Tunnel? 6
European Parliament discusses financial aid to Chunnel 140
European railways – a statistical survey 74
Frontier station plan dropped 140
Helsinki-Moscow service/Faster 226
Intercontainer progress slows 394
Interfrigo books Railship space 268
London-Paris in 4½ hr? 394
London-Paris service slowed 51
Paris-Copenhagen reorganised 51
Plymouth-Paris air-rail service 98
Rail fares in Europe 258
Spain/Holiday train to 353
Spain/Standard gauge into 394
Swiss-built sleeping cars for European pool 68, (97), 183
tankers/Piggyback service for 183
TEE administration changes 6
TEE services withdrawn/Some 51
TEE trains 126
Trans-Siberian container route/ Freight refunds on 140
UIC group recommends Brenner base tunnel 51
UIC publishes 1973 statistics 95
Vienna-Geneva UNO express? 436
Warsaw-Budapest train rerouted 226
European Conference of Ministers of Transport:
British minister attends session 310
Council of ministers 95

F

Fares-free rail travel 262, 338, 416
Finland:
Class SM1 emus on order/20 more (227)
Electrification progress 227
Porvoo/New line to 227
rail ferry in Baltic/New 95
Second-class compartment coaches for VR 395
Steam-hauled train marks Rail 150 479
France:
aérotrain/New use for 52
aérotrain/Rail substitute for 96
Alsthom plant investment 184
BB22200 and BB7200 electric locos/New 96
CC72000 locos to meet fast RTG cross-country, schedules 311
Class X4900 dmus (395)
Cuneo-Ventimiglia delay 140
Double-deck suburban stock 311, (353), (470)
double-deckers/Disc brakes for 39
Grande Ceinture electrification 354
Grasse line reopening proposal 269
Gravelines/Ferry terminal at 96
High-speed orders soon? 52
Lille/Automated light metro for 414
Local agreements for better rail services 268
local finance/More 184
Lyon metro prototype unit starts line tests 479
Montech water-slope/Locomotives for 145
motive power developments/Recent 146
Paris/Crossrail in 179
Paris-Hendaye line/Loan to upgrade 268
Paris-Lyon new line scheduled for 1982 479
Paris Metro rolling stock changes 141, 268
Paris Metro rolling stock/Mock-up of new (310)
Paris Metro 75th anniversary 184
Paris Metro stock ordered/New 438
Paris-Sudest progress 141
passenger policy/New 437
Rapid transit 143
RER St-Germain Line (140)
Riviera traffic increases 141
Shah of Iran orders turbotrains 95
trains corail stock/ Teething problems with new 479
tram?/The return of the 311
Transport Expo 75 143
Transport 2000 France 354
Turbotalk 264
Turbotrain brake systems 296
Turbotrains in Southwest 141
Wagons-Lits variety (69)
Winter timetable changes 437

G

Gabon:
Transgabonais/Brake equipment for 296
Germany (Democratic Republic):
Motive power investment 184
Germany (Federal Republic):
Berlin services accelerated 141
Black Forest electrification 354
Bonn/U-Bahn in 52
British Army of the Rhine/ The railways of 160
Cabinentaxi progress 9, 259
Class 111 passenger loco/New 52, 163
Class 119 electric withdrawn 469
DB diesel look/The (260)
DB mobile laboratory railbus (141)
DB tightens its belt 47
DE 2500 loco and push-pull driving trailer under test (164)
Donauried test facility adapted to environment 396
Düsseldorf Airport line open 438
Electrification progress 52
electrified/More lines 469
ET472/3emu receiving final attention 96
ET472/3 under construction 52
Frontier station plan dropped 140
Hamburg/Car drivers switched to 141
Hamburg City Line opens 269
Hanover Hbf rationalised 184
High-speed experimental vehicle 9
Hochleistungsschnellbahn train/ Artists impression of (164)
Intercity success 9
investment programme/1975 96
Maglev research continues 52
Mainz/Bi-directional working at 184
Mobile track cleaner (9)
Munich Hbf/*U-Bahn* construction starts at 354
Munich *S-Bahn*/TV transmission by leaky feeder 340
Munich/Transrapid 04 on test track (355)
passenger services information machine/Automatic (43)
Radio communications extended 354
rail-air from Britain/By 183
Rheine/Last steam-hauled passenger train from (270)
Road/rail permits 173
season tickets sold/More 396
service cuts/Heavy 269
Single-line working 306
U-Bahn progress 479
Urban rail investment cuts 311
Ghana:
BREL wagons for 7, 129
Greater Glasgow PTE:
Combined travel facility launched 436
Escalators for Underground stations 256
Glasgow Underground stock 170
Glasgow Underground stock/ Artist's impression of (182)
Interlink anniversary 478
Metro-Cammell wins Underground rolling stock order 139
Underground costs rise 351
Underground stock mock-up on display at Scottish Design Centre (352)
Greater London Council:
Consultative document on LT fares issued 50
freight conference 223
Greater Manchester PTE:
Deficit forecast for 1974/75 50
Picc-Vic link emphasised/Need for 5
Picc-Vic/New plans for 225
Greece:
Coaches ordered from East Germany 227
electrification/CH plans main-line 311
Greene, Sir Sidney 46
Guinea:
bauxite exports/New line for 184

H

Henry Boot Engineering Ltd expands facilities 508
High Speed Train:
air-conditioning (256)
Confused images 420, 505
Didcot/aerodynamic test at 138
Diesel-driven alternator being assembled (297)
Diesel engines ordered from Paxman Diesels 170
Duke of Edinburgh to York/carries (466)
goes west 49
Higher speeds 82, 125
Inter-City duo 273
Inter-City 125 power car/ First-series built (477)
Inter-City progress will not stop/Why 106
Marsh Junction/Maintenance depot at (266)
Microwave cooking 85
Neville Hill revival 351
Newark flyover 38
Northeast-Southwest? 380
Passenger business planning 488
Trials run with short coach formation (48)
WR workings 380
Home news: 4, 48, 92, 137, 180, 223, 266, 308, 350, 391, 434, 476
Hong Kong:
Hung Hom terminal nears completion (185)

Kowloon-Canton railway 36
Metro in 1980 479
Modified metro plans progress 269
Tyne & Wear chief appointed 9

I

Ian Allan Ltd:
inflation/We fight 478
Locomotive Illustrated publications 225, 352, 478
Modern Railways binding etc. 7, 478
Railpower 393
Trains Illustrated publications 7, 140, 268, 393
Institution of Electrical Engineers:
microprocessors/Keeping abreast with 129
Institution of Mechanical Engineers:
Training requirement changes 476
International:
African rail links 3
Britain/Rail 150 tours for visitors to 8
'Containerization 74' success 7
Continental train catering 216
Dangerous goods by rail 183
DoE minister visits Canada 226
Freight refunds on Trans-Siberian container route 140
Interfrigo books Railship space 268
Landspeed – new transport consultancy 392
Orient to West Coast 417
Rail industry exports . . . and exports by rail (439)
Railway Engineering Exhibition 183
South American contracts/BR seeks 310
T2S cars enter service 183
Tanzam Railway extended 142
Tanzam Railway officially opened 479
Thai State Railway planners visit Britain 436
Transmagheb Express first stage in service 353
Transport Expo 75 143
'Transport in the years ahead' – conference 310
US Northeast corridor/BR experts to study 394
US studies high-speed West Coast rail service 436
International Railway Union:
Brenner base tunnel/UIC group recommends 51
ORE – 25yr of international research 375
statistics published/1973 95
Ipswich Industrial Co-operative Society:
tippler installation 38
Iran:
French-built RTGs in service 269
locomotives to handle traffic increase/ More 9
Shah orders turbotrains 95
Iraq:
Breakdown cranes supplied by Clarke Chapman Ltd 296
Tigris Valley?/New high-speed line in the 311
Irish Republic:
Belt-tightening 348
Booterstown station reopened 185
dmus withdrawn/Last 227
Expressway/CIE launches 311
GM diesels ordered by CIE 140
Irish photocall 512
Railfreight services rationalised 479
resignalling project/Progress with 346
Russian oil for CIE 9
timetable settles down 178
Train mileage cut 227
Transmark to design suburban electrification 227
Israel:
past neglect and future hopes 280
Italy:
Brenner base tunnel/UIC group recommends 51
cheap fares/FS curbs 228
Chiasso bottleneck?/Relief for 270
Ciampino-Colleferro relief lines electrified 184
Circumvesuviana/More double track on the 142
Class E444 loco starts tests 312
Direttissima progress 184
Direttissima to open in Spring 1976/ First stage of 270
E656 orders expected 227
Ex-TEE diesels in use 9
Ex-TEE diesels withdrawn 142
Florence Palatino/No meals on 43
Genoa/FS plans timetabling computer centre at 354
Italian State Railways today – 1 492
natural disasters/Making good 396
Reggio/Double-track to 270
Rome Metro orders for Westinghouse 85
Rome suburban improvements 184
Self-service buffet car 228
tankers/Piggy-back service for 183
TEE Aurora withdrawn 227
Train telephones extended 228

J

Japan:
Dunlop specialists visit 7
Seikan Tunnel project/The 122
Shinkansen network/Expansion of 120
Tokaido line nears saturation 469
Jordan:
Signalling controlled by Uhf radio link 84

K

Ketton Portland Cement Co:
new private cement wagons 476

L

Landspeed: new transport consultancy 392
Light Railways:
Bluebell Railway extension of line proposed 94
Derwent Valley freight 225
Festiniog timetable/Improved 94
Talyllyn carriage shed completed 94
Linear motors for high-speed transport 32
Locomotion Trust: *Locomotion* No 2 272
Locomotive Club of Great Britain:
Dorking Branch proposed 417
London Broadcasting: Morning thought 390
London Midland Region:
Alsagar/Private siding at 4
Altrincham/Bus-rail interchange at 477
Banbury/Iron ore from 392
BBRC Radio Blackburn listeners/Train for 137
Birmingham – Inter-City crossroads (70)
Birmingham International station 181, 435
Birmingham Moor Street suburban services increased 435
Birmingham New Street 34
Dock locomotives 339, 465
Euston – arrivals and departures (444)
Hyde/New railway bridge at 93, (139)
Lakeland/Rail-less 2
Leamington - Coventry line reopening urged 224
limestone contract/Major 137
Liverpool Central closed 308
Liverpool Central to close? 4
Liverpool – exits and entrances (486)
Liverpool/Underground in 481
London - Leicester at 100 mph by APT 476
Merseyside Underground/Track relaying on (435)
Merseyside park-and-ride boom 309
Midland matters 298
Midland services/Cuts in 392
North Western in North Wales (238)
Nuneaton/Preventing another 306, 416
Preston – Carlisle closed on Sundays 49
Preston Division lines given new identity 309
Radcliffe-on-Trent/Experimental asphalt-based track at (127)
Recovering locomotive No 86.209 229
Settle & Carlisle stations opened for National park service 224
timetable 1975/76 192
travel centres/New 4
Trespassing children 182
West Coast main line/ Sparks effect shows on 4
West Coast performance/Poor 34, 126
Wolverton/New method of aggregate discharge at 435
Workington/Pig-iron from 181
Wycombe passengers/Wooing 137
London Transport:
automatic fare collection design study 213
Brent station renamed 435
Camshaft trials 508
Central Line/More off-peak trains on 478
Chopper equipments 341
District Line/New trains for 267
Fare increases in November 267
Fares increase details announced 351
fares rise/Proposed 5
Fares shock 2
Fleet Line financing proposal 224
Fleet Line/Overseas interest in 351
Fleet Line/Progress with the 28
GLC issues consultative document on fares 50
GLC launches cut-price park-and-ride experiment 435
Government grant to be cut by half 94
Hatton Cross opening in July 267
Hatton Cross/Piccadilly Line to (349)
Highbury branch closure 393
Locomotive traction batteries 213
London Rail Study/The 77, 172
London Transport in 1974 246
Moorgate/Lessons from 134
News bulletin in evening papers 94
Piccadilly Line cars/New (181)
Piccadilly Line progress report 421
Piccadilly stations filmed 139
Piccadilly train starts tests 138
Piccadilly trains too big 267
poster reprints/Historic 94
Rail depots visits 309
Railways in London 2
Rough-riding trains 173, 250
Staff home loans in 1976 478
Surface appearances (26)
tube car refurbished/1891 138
TV watch for vandals 50
Underground power supplies 472
Uxbridge interchange centre 50
White City Railway Training Centre/ Public visit to 351
Luxembourg:
Class 250 emus delivered 228

M

Merseyside PTE:
Liverpool/Underground in 481
Merseyrail Underground/Track relaying for (435)
park-and-ride boom 309
Metropolitan Authorities:
Concern at financing policies 94
Planning officers form new society 309
TPPs need more flexibility 5
Metropolitan Counties: Local transport grants 48
Motive power:
Axle power – new method of induction-motor traction 475
battery traction/Fresh hopes for 475
BR Class 74s/Experience with 271
BR Class 87 thyristor-controlled loco 355
DB Class 111 163
Energy for traction 209
French developments/Recent 146
NS Intercity emu developed/New 66
Ortoplan train with active wheels 355
USSR plans for Baikal-Amur railway 480

N

Napier name change 128
National:
ABC Rail Guide fares information/More 92
Boxing Day/No trains on 476
CIDP/New chief executive for 266
CIT Nottingham Congress 137
Coach poacher 222
Consumer affairs 134
Dangerous goods by rail 183
Didcot Distribution Centre 180
DoE bus-rail interchange project 4
DoE regional directorates in SE England 266
Economic cut-backs 431
EEC loan for new mine 266
GLC freight conference 223
Irresponsible railfans 250
Local transport grants 48
London Electronic Component Show 296
Minister for Transport/New 308
Minister of Transport/Death of former 4
Outlook for energy 179
Passenger grants for 1975 48
Plea for more lorries and cars 306
Political process 474
Rail Freight Facilities Grant 135, 392
'Railway Rescue' 173
road speed limits/New 49
Social contract 133
Socialist Commentary – transport policy report 180
Stations are public places 36
TrainEx/Successful tour by 137
Training requirements for mechanical engineers 476
Transfesa at LIFT 92
Wales by road and rail 476
National Bus Company 92, 222
National Freight Corporation: 51
National Postal Museum: 'Railways for Post' exhibition (391)
National Railway Museum, York:
hand power 4
HST carries Duke of Edinburgh 466
Metalastik products displayed 472
Open house (498)
Ring in the old 433
takes shape (244)
Netherlands:
Blue Angel unit refurbished (355)
DB polycurrent loco on test 395
expansion/Government backs rail 312
French test locomotive to undergo trials 142
Hoogovens Esterl steelworks signalling 128
Intercity design developed/New 66
Intercity emu/1954 66
investment plans 97
Leiden/Extra tracks at 398
Maas? New bridge over 185
passenger prospects 64
Rijksmuseum terminal for Schiphol line 354
Rotterdam line for iron-ore traffic/New 97
Sprinter emu 228, (355), (480)
Unit numbers used for passenger information 479
New books: 32, 124, 211, 252, 337, 463, 508
New Year Honours 51
New Zealand:
Box wagons from Japan 228
Concrete slab track 38
Inter-island rail-ferry study 53
Wellington-Auckland Northerner express/New 469
North East London Polytechnic: transport study 476
Northern Ireland:
architectural award/NIR wins 312
Belfast Central/Progress on 228
demus ordered from BREL/More 396
demus delivered/BREL 6
Irish photocall (512)
Norway:
Oslo stations tunnel link 97
Tromsö link planned 185
N. Strickland & Co:
from earthmoving to mountain climbing 213

O

Obituaries:
Hurcomb, Lord Cyril 390
Thorpe, W. G. 432
Tuplin, Dr W. A. 180
Office for Research & Experiments
25 years of international research 375
Overseas news: 7, 51, 95, 140, 183, 226, 268, 310, 353, 394, 436, 479

P

Pakistan:
Lahore – Karachi express service/New 97
Vehicle alternators ordered 85
pallet/Plastic 214
Paraguay
Asuncion – Carnen main-line electrification 142
Permanent way:
asphalt-based track/Research into (127), 167
Blanketing work on part of South Wales main line 397
BS4521 – railway turnouts for private users 128, 341
Concrete slab track 38
internal rail force/A non-destructive method of measuring 123
Railwelding order from EAR 171
Slip form paving method of track laying 93
Track-fastening components 128
turnouts/High-speed 469
Ultrasonic pw inspection 341
Poland:
ASEA locos for the mining industry 128
Warsaw/Station changes at 228
Zawiercie – Radzice high-speed line open 53
Portugal:
Portuguese Railways today 200, 298
Post Office: Railway anniversary stamps (309)
Powell Duffryn Wagon Co Ltd:
facilities extended 93
Wagons for steelworks 508
Preservation specials in steam (37)

Q

Queen's Birthday Honours 310

R

Rail 150:
Begone, dull care! 347
Cavalcade (391)
Cavalcade count-down (419)
Cavalcade reflections 393
Cavalcade souvenir a best-seller 476
Celebration – 150 years of passenger railways 364
Exhibition train on tour 308
Finnish steam-hauled train marks S&D 150th anniversary 479
International Engineering Conference 94
Locomotion No 2 272
Programme of events 182
Rail Trail open 308
Railway engineering progress 436

Railway weekends 6
Tours for railfans 139
tours for visitors to Britain 8
Railtalk: 2, 46, 90, 134, 178, 222, 264, 306, 348, 390, 432, 474
Railway industry: 38, 84, 170, 212, 255, 296, 340, 472, 508
Railway Rescue – pressure group 173
Rapid transit:
Boston rapid transit/Equipment for 127
France 143
Kassel hospital uses Cabinentaxi system 259
Lille/Automated light metro for 414
Linear motors for high-speed transport 32
Low flying trains 84
Lyon metro prototype unit starts tests 479
Madrid Metro rolling stock 243, 380
Maglev research aided by linear-motor test facility 434
planning 126
Sheffield Minitram system report 17
Transrapid 04 maglev on test track (355)
Tyneside Metro 399, 456
Rapid transit reports: 113, 240
Readers' letters: 34, 82, 125, 171, 215, 249, 298, 338, 380, 416, 464, 504
Rhodesia:
Rutenga – Beitbridge line opening ceremony (184)
Ripper Systems Ltd: 85
Road-rail freight transfer brings local benefits 350
Rolling stock:
Bearing developments 472
BR Mk III stock 108, 276
Fluon bearings/Experience with 472
Swiss-built sleeping cars for European pool 68, (97)

S
Scotland:
Aberdeen/Parcels boom at 477
Buchan line could reopen 435
Computer-based train describer 255
Euston-Stranraer trains rerouted? 138
Finance agreement for west central Scotland 50
Fort William station moved 351
Highland line prospects 451
Highlands/Guide to rail facilities in 435
Highlands travel literature 224
Inverness on full TOPS 93
Kyle line/Containers on 393
Larbert station rebuilding 435
North Sea oil pipeline train (223)
Perth-Inverness railway improvement 224
Polmadie depot project 224
road to the Isles/The (116)
Scotland's Transport Tomorrow 351, 418
Services in Scotland 338, 416, 505
Strathspey line preserved/Part of 477
timetable 1975/76 234
Transport in changing Scotland 418
Travelpass success 93
Sealink:
Amsterdam/Cheap fare to 6
Avalon conversion under way 139
Channel Island ferry/New 50
Computer speeds French bookings 352
Continental traffic increases at Christmas 93
Fares in 1975 50
Harwich-Hook sailings/more 6
Heysham-Belfast closure further deferred 51
Heysham-Belfast service withdrawn April 6 139
Holyhead handles containers 139
Holyhead terminal/Work starts on new 393
Irish commercial service/New 139
Irish livestock service to be withdrawn 225
Ostend route/New ship for 94
passenger transfers 299, 380
St Edmund 93, 165
St Eloi in service 182, (394)
Sea links with TEEs 178, 250
services 505
ship ordered/New 225
Traffic up in 1974 51
Ulsterbus introduces Belfast-Blackpool service 267
Zeeland Steamship Co to order new ferry 352
Seaspeed:
Dover/New hoverport at 436
hovercraft/Plans to stretch 139
Shipping:
Baltic/New rail ferry in 95
Felixstowe?/Takeover at 478
Gravelines/Ferry terminal at 96
Holyhead handles containers for Medtainer Line 139
Holyhead operations unaffected by livestock service withdrawal 225
New Zealand inter-island rail-ferry study 53
Short Sea Route/Normandy Ferries 478
Stranraer – Larne ro-ro ferry/New 94
Townsend – Thorensen expands 6
Trains and ships 264
Trelleborg train ferry terminal/King opens 312
Shock recording of loads in transit 127
Signalling:
BSC sidings contract 341
CIE resignalling project/Progress with 346
Computer-based interlocking on SJ 171
Doncaster resignalling scheme 266
Fail-safe logic for signalling 38
Fail-safe timer 296
GEC – General Signal Ltd equipment 214
Light signals/Revised BS for 85
London Bridge resignalling 313
Moorgate/Lessons from 134
Reflecting switch lamp 171
Solar power for signalling 340
Standby diesel generators to protect signalling 31
steelworks signalling contract in Netherlands 128
Train describers for Doncaster resignalling 434
Tyne & Wear PTE 256
Uhf radio link to control signals 84
Socialist Commentary:
report on transport policy 180

South Africa:
Drakensburg trains/More 97
electrification/First 25kV 340
GEC traction equipment/More 472
General Motors diesel plant/New 43
Koedoespoort railway test centre/New 142
Power supply control on SAR 170
Rail welding equipment ordered 127
Signalling equipment supplied by GEC 214
Steam in South Africa 270
South Yorkshire PTE:
Road-rail interchange plans 352
Sheffield/Minitram in 17
Sheffield City Centre?/Underground rail loop in 267
Southern Region:
Ascot and Staines/All change at 182
Charing Cross/Changes at 477
Chessington-Leatherhead link?/New 224
Clapham Junction in camera (402)
Class 74s/Experience with 271
Commuters plan rail boycott 393
East Wimbledon depot/Air curtains at 39
Electronic supervisory system 472
Kent Coast emu refurbished 309
London Bridge resignalling 313
Mountfield tunnel closure 93
Newark flyover 36
Service cuts planned/Major 477
services?/20 min-interval 393
South Eastern/Improved timetable on 477
'Tadpoles' – Class 206 dmus (462)
TV monitor signals by cable 255
Weekend travel – 'See a friend another weekend' 349, 465
Weymouth for the Channel Islands (190)
Spain:
Barcelona airport branch open 469
Costa del Sol extension open 355
Holiday train to Spain 353
Madrid/Expresses re-routed in 142
Madrid Metro rolling stock 380
Madrid Metro ticket machines 340
Sleepers reclassified 43
Standard gauge into Spain 394
steam loco withdrawn/Last 469
Steam on British Rail 359, 406, 446, 464
Stock changes: 42, 87, 131, 175, 219, 258, 301, 343, 383, 425, 468, 511
Sudan:
diesel-electric locomotives/New 43
Hunslet diesels ordered 508
Sulzer Group reorganisation 472
Supermarket Merchandisers Ltd:
Orders sent by BR 351
Sweden:
Computer-based interlocking 171
Ortoplan train with active wheels 355
profit in 1973/74/SJ makes 97
speed record for experimental emu/New 469
Stockholm/New interchange tunnels at T-Centralen station (437)
Stockholm on rails 326
thyristor locomotives/New 185
Trelleborg train ferry terminal/ King opens 312
Switzerland:
Basle/Container terminal at 43
Belt-tightening 348
Biel-Neuchâtel doubling continues 396
Cisalpin loadings up 43
Electric rack-and-adhesion railcars delivered (52)
freight-train surveillance/Automatic 411
Fribourg Railway improvements 185
Glacier Express duplicated 228
Heitersberg cut-off line open 331
international freight/Sharp fall in 53
Killwangen-Rupperswil cut-off line (226)
Klosters-Lavin tunnel link for RhB?/New 396
Lenk/Through trains to 142
miscellany (386)
Mk III fleet enters service 270
RAE – TEE II units in multiple (269)
Re 4/4 deliveries complete 43
Recession hits SBB revenue 355
Rolling stock investment grant 228
Sargans/Cut-off loop at 97
Swiss pause to reflect 474
timetable structure/New 97
T2S sleeping car allocated (97)
Zurich new line 97
Zweisimmen for Lenk/Change at 312

T
Taiwan:
British technology for electrification 255
Expansion and electrification 43
Hualien – Suao link/Progress on 185
Keelung – Kachsuinga electrification contracts awarded 185
Traffic report: 40, 86, 129, 174, 217, 256, 300, 342, 382, 424, 466, 509
Trans Europ Express:
Administration changes 7
Aurora withdrawn in Italy 227
Cisalpin loadings up 43
developments in 1974 24
Ex-TEE diesels in use in Italy 9
Ex-TEE diesels withdrawn in Italy 142
Sealink ties with TEEs 178, 250
services withdrawn/Some 51
trains 126
Transport 2000 France 354
Turkey:
Tecer – Kangal line replaces steeper route/New 53
Tymponic Corporation patent for coal in oil-fired furnaces 85
Tyne & Wear PTE:
Lifts and escalators for Metro 508
Metro prototype articulated unit (309)
Rapid progress on Tyneside transit 456
Signalling 256
Travelticket price increase 352
Tyneside Metro 399

U
USA:
Adirondack/Faster schedule for 312
Amtrak and Southern reservations agreement 43
Amtrak/ASEA loco for 480
Amtrak/Bright future for 3
Amtrak confirms new coach orders 270
Amtrak impressions 381
Amtrak labels replaced 480
Amtrak launches USA Railpass 469
Amtrak passenger services 284
Amtrak – pictorial postscript (344)
Amtrak routes/New 53
Amtrak RTG deliveries completed 185
Boston – Chicago service/New 480
boxcar pool/National 43
Burlington Northern/New coal wagons for 228
Canada – US freight service/Fast 310
Canada – US reservation link 395
Chesapeake & Ohio steam turbine electrics 173
Chicago, Rock Island & Pacific Railroad folds 185
La Grange test tracks/50KV traction equipment for 341
Massachusetts Bay Transportation Authority order silicon traction rectifiers 127
Metroshell to Amcoach/From 480
New York railways/$250m investment in 43
North Judson, Indiana/Report from 514
Northeast/Expanded passenger services in 290
Rail passenger services 284
Railbox boxcars delivered/First 97
Turbotrains on Empire State in 1976 469
USSR:
Baikal – Amur Magistral line 63
Baikal – Amur line in service 270
Baikal – Amur railway/Motive power plans for 480
Moscow – Leningrad/Faster on 142
Passenger operations on Soviet Railways 20, 60
RT200 coach for Russian Troika train (437)
Tadzhik line opened 185
Traffic exceeds expectations 97
Trans-Siberian container route/ Freight refunds on 140
turnouts/SZD experiments with high-speed 469
Voltage on dc lines stepped up 53

V
Venezuela:
British engineering expertise for 7

W
West Midlands PTE:
Travelcard scheme extended to rail services 225
Western Locomotive Association:
Diesel locomotive appeal 299
Western Region:
Bridport branch to close 50
Bridport/No more trains to (189)
Bristol Parkway services 93
Cardiff Division in the mid-1970s 54, 102
Cardiff Division railfreight (58)
Cardiff headquarters moves to Brunel House 138
Class 50s 197
Didcot/HST in aerodynamic test at 138
economies explored 350
Exeter/French maize to 93
Falmouth/Changes at 224
Frome Parkway? 250, 381
Gloucester rebuilding starts 309
Hawkeridge/Diverted via (443)
Holiday newspaper published 138
HST goes west 49
HST workings 380
Marsh Junction/HST maintenance depot at (266)
Multiplex remote-control link 39
North Sea oil experts help recover derailed Class 37 393
Pensioners seek concessionary fares 93
Powell Duffryn wagon extension 93
St Germans viaduct/Emergency repairs for 297
South Wales engineering work from May 50
South Wales main line/ Civil engineering progress on the 397
South Wales railfreight success 478
Stonehouse affair/The 432
timetable 1975/76 98
Western twilight (Class 52s) (324)
West Yorkshire PTE
West Yorks prospectus 222

Y
Yugoslavia:
Belgrade – Bar opening this year 270
locomotives ordered/New 270
Regauging works postponed 396
Travels in Yugoslavia 505

Z
Zaire:
Banana – Matidi/Japan to finance 185
Zambia:
Tanzam Railway extended 142